**Product Data Sheet**

(5N) 99.999% Chlorophyllin Sodium Copper Salt  
*Product Code: CPHYL-CUNA-05*

**Formula:** C₃₄H₃₁CuN₄Na₃O₆  
**CAS No.:** 11006-34-1  
**EC No.:** 234-242-5  
**MDL:** MFCD00012149

### Chemical Identifiers

<table>
<thead>
<tr>
<th>Linear Formula</th>
<th>MDL Number</th>
<th>EC No.</th>
<th>PubChem CID</th>
<th>PubChem CID</th>
<th>IUPAC Name</th>
<th>SMILES</th>
</tr>
</thead>
<tbody>
<tr>
<td>C₃₄H₃₆N₄O₆.Cu.3Na</td>
<td>MFCD00012149</td>
<td>234-242-5</td>
<td>108006</td>
<td>copper; trisodium; 3-[20-(carboxylatomethyl)-18-(dioxidomethylidene)-8-ethenyl-13-ethyl-5,7,12,17-tetraacryl-2,3-dihydroporphyrin-22-id-2-p]propanoate</td>
<td>CCC1=C(C2=NC1=CC3=C(C(=C([O-])=[O-])C(=N3)C(=C4C(C(C(=N4)C=C5C(=C(C(=C2)[N-]5)C=C)C)C)CCC(=O)[O-])CC(=O)[O-])C)C.[Na+].[Na+].[Na+].[Cu+2]</td>
<td>HWDGVJUIHRPKFR-UHFFFAOYSA-I</td>
</tr>
</tbody>
</table>

**Total Metal Impurities:** 0.001% max.

### Packaging Specifications

Typical bulk packaging includes palletized plastic 5 gallon/25 kg. pails, fiber and steel drums to 1 ton super sacks in full container (FCL) or truck load (T/L) quantities. Research and sample quantities and hygroscopic, oxidizing or other air sensitive materials may be packaged under argon or vacuum. Shipping documentation includes a Certificate of Analysis and Safety Data Sheet (SDS). Solutions are packaged in polypropylene, plastic or glass jars up to palletized 440 gallon liquid totes, and 36,000 lb. tanker trucks.

### Documentation

A Certificate of Analysis and Materials Safety Data Sheet (SDS) in accordance with EN 10204 are supplied with every shipment.